



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX INE 16.0054X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 2 [Issue 1 \(2021-02-26\)](#)
[Issue 0 \(2017-03-17\)](#)
Date of Issue: 2024-02-26
Applicant: **RCN srl**
Regione Torame via Crevacuore
I - 13011 Borgosesia (VC)
Italy
Equipment: **Cable Gland type KTN... or KTA...**
Optional accessory:
Type of Protection: **db, eb, tb, nR**
Marking: Ex db IIC Gb
Ex eb IIC Gb
Ex tb IIIC Db
Ex nR IIC Gc
IP66

Approved for issue on behalf of the IECEx
Certification Body:

Position:

Signature:
(for printed version)

Date:
(for printed version)

ATMOSPHÈRES EXPLOSIVES
Certifié IECEx
INERIS
IECEX certified
EXPLOSIVE ATMOSPHERES

Thierry HOUÉIX
Ex Certification Officer

Thierry Houeix
2024-02-26

Signé électroniquement
Digitally signed by
Thierry HOUÉIX
Ex Certification Officer
Délégué Certification

1. This certificate and schedule may only be reproduced in full.
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Certificate issued by:

INERIS
Institut National de l'Environnement Industriel et des Risques
BP n2 / Parc Technologique ALATA
F-60550 Verneuil-en-Halatte
France





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Manufacturer: **RCN srl**
Regione Torame via Crevacuore
I - 13011 Borgosesia (VC)
Italy

Manufacturing
locations: **RCN srl**
Regione Torame via Crevacuore
I - 13011 Borgosesia (VC)
Italy

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-15:2017](#) Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
Edition:5.0

[IEC 60079-31:2022](#) Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
Edition:3.0

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[FR/INE/ExTR16.0057/02](#)

Quality Assessment Report:

[FR/INE/QAR10.0003/12](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Cable glands type KTN... or KTA... are protected by flameproof enclosure, increased safety and dust protection.

Furthermore, they also may be fitted on "Ex i", "Ex n", "Ex m", "Ex o", "Ex p" and "Ex q".

These cable glands are foreseen, for armoured cables type KTA... or non armoured cables type KTN....

They are intended with cylindrical thread or conical thread. Cable glands with cylindrical threads are fitted with various type of gaskets.

These cable glands gets the protection degrees IP66 according to the standard IEC 60529.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The equipment is intended to be used in an operating temperature range from -60°C to +80°C.

- Due to the tensile test performed at 25% of the load, the clamping of the cables must be realized outside of the enclosure, nearby to the enclosure on which the cable glands are installed.

The other conditions are stipulated in the instructions.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 01 :

- Application of standards : IEC 60079-0:2017, 7th ed, IEC 60079-7:2015+A1:2017, 5.1 ed. and IEC 60079-15:2017
- Updating of the manufacturer's documents

Issue 02 :

- Application of standards : IEC 60079-31:2022, 3rd ed.
- Updating of the manufacturer's documents

Annex:

[IECEX INE 16.0054X-02_Annex.pdf](#)



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Annex: IECEx INE 16.0054X-02_Annex.pdf

PARAMETERS RELATING TO THE SAFETY

- The equipment is intended to be used in an operating temperature range from -60°C to +80°C.
- These cable glands can be used with diameter cables 6 mm up to 90 mm.

MARKING

Marking has to be readable and indelible; it has to include the following indications:

- RCN srl
- I – 13011 Borgosesia (VC)
- KTN... or KTA...(*)
- IECEx INE 16.0054X
- Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc
- Ex tb IIIC Db
- IP66

On the sealing ring :

- Indication of the minimum and maximum diameters.

On the small accessories, the marking can be reduced at:

- RCN
- KTN... or KTA...(*)
- IECEx INE 16.0054X
- Ex db/eb/nR/tb

(*) The type is completed by numbers and/or letters in accordance with the manufacturing variations.

ROUTINE EXAMINATIONS AND TESTS

None.